INDEX TO VOLUME 23

The asterisk (*) preceding the page number indicates an original article in the Archives. Subject entries are made for all articles. Author entries are made for original articles and society transactions. Book Reviews, Obituaries and Society Transactions are indexed under these headings in alphabetical order under the letters B, O and S, respectively.

Abnormalities and Deformities: See also under names of organs and regions, as Arteries, abnormalities; Brain, abnormalities; Heart, abnormalities; Liver, abnormalities; etc.
duplication of congenital malformations in brothers and sisters and among other relatives, 886
Abscess: See under names of organs and regions, as Brain, abscess; Lungs, abscess; etc.
Acid, Amino: See Amino-acids
chemical reaction between oleic acid and aqueous solutions of magnesium, 752
Actinomycosis, actinomycotic abscess of brain, *58
Bacterium necrophorum from chronic ulcerative colitis, further studies, 453
of tubes and ovaries, *53
Adams, W. E.: Experimental production of bronchiectasis in dogs, 606
Addison's Disease, histology of homoplastic adrenal transplant that survived for 8 months in patient with Addison's disease, 141
pathologic changes in adrenalectomized dogs, particularly in anterior lobe of hypophysis, 579
Adenocarcinoma, enzyme content of parenchymatous adenocarcinoma of pancreas, 135
of breast, hormonal pathogenesis of, 900
Adenoma, change in basophil cells of pituitary gland in syndrome attributed to basophil adenoma, 279
subclinical, of pituitary gland, 289
Adipose Tissue: See Fat; Lipoma; Obesity
Adolescence, influence of thymus extract on certain endocrine organs of rat, 293
Adrenalectomy: See Adrenals
Adrenals, alterations in lipoid content in infancy and in childhood, 718
and thymus in response of organism to injuries and intoxications, 580
changes induced by estrogens in male mice, 581
cortex, 882
cystic lymphangioma of, 137
effects of adrenalectomy and hypophysectomy on experimental diabetes in cat, 276
histology of homoplastic adrenal transplant that survived for 8 months in patient with Addison's disease, 141
necrosis with calcification of, 584
pathologic changes in adrenalectomized dogs, particularly in anterior lobe of hypophysis, 579
rôle of adrenal cortex in production and utilization of vitamin C; its influence on structure of teeth in albino rat, *372
Agglutination, blood group ferment in saliva, 592
capacity of boiled erythrocytes to remove agglutinins, 132
group-specific A substance in commercial pepsin, 896
identity of precipitin and agglutinin, 895
Agglutinins: See also under Antigens and Antibodies; Blood, groups; Immunity; Tuberculosis; etc.
for sheep erythrocytes in human blood, 443
Agglutinogens: See Agglutination; Blood, groups
Agranulocytosis: See Angina, agranulocytic
Ahronheim, J. H.: Size of spleen and liver-spleen ratio; statistical study based on 1,000 autopsies, *33
Alcohol, factors influencing fatty condition in dog's liver produced by alcohol and diet rich in fat, 740
Alford, J. E.: Congenital bronchogenic cyst of mediastinum in infant, 296
Allergy: See Anaphylaxis and Allergy
Alum: See under Poliomyelitis
Amebae, contamination of bacterial culture by organism resembling Hartmannella Castellanii, 129
Ameloblastoma, histologic study of, *664
survey of 379 cases from literature, *831
American Association of Pathologists and Bacteriologists, annual meeting, 275, 576
Association of Public Health, meeting, 713
Leprosy Foundation, 713
Society of Clinical Pathologists, meeting, 430
Amido-Azotoluene, experimental carcinoma of liver, 596
Amino-acids and staphylococcus toxin, 133
Amyloidosis, corpora amylacea in nerve cells, 720
Anaphylaxis and Allergy: See also Tuberculosis, allergy in; etc.
agglutinogens M and N in allergic conditions, 898
allergic lesions produced by injection of protein, 907
anaphylaxis in frogs, 134
desensitization of passively sensitized guinea-pigs, 133
development of sensitization to foreign protein in human beings, 730
effect of nerve stimulation on hyperergic inflammatory reaction, 123
hyperergic reaction of denervated kidney, 581
inadequacy of allergic inflammation as protection against infection of rabbits with virulent pneumococci, 145
local reactions from intradermal injection of small amounts of antiserum, 728
localization of hyperergic inflammatory reaction, 883
phenomenon of local skin reactivity to bacterial filtrates, 891
reaction of lung of rabbit in acute anaphylactic shock, 899
rôle of allergy in pathogenesis of progressive thrombosis especially in regard to changes in endothelial lining of large peripheral veins, *501
studies in synergy, 895
tuberculous liquefaction, 442
Anemia, bone marrow as studied by sternal biopsy, 292
influence of infection and intoxication on hemoglobin production in, 580
Leuko-Erythroblastic: See Hematopoietic System
macrocytic, correlation of serum iron, bone marrow and blood cell changes following specific therapy in, 738
pernicious, sternal marrow in; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
primary lymphosarcoma of liver with metastases to marrow and secondary anemia, *674
sickle-cell, new cause of cor pulmonale, 277
Aneurysm, aortic; aneurysm of sinus of Valsalva with rupture into right auricle, *679
cerebral; coarctation of aorta with intermittent leakage of congenital cerebral aneurysm, 884
Angina, agranulocytic; changes in bone marrow in agranulocytosis, 277
Ludwig's, due to esculin-fermenting hemolytic streptococus (enterococcus), 295
Vincent's; significance of fusiform bacilli and spirilla in gingival tissue, 723

Angina Pectoris, genesis of multiple encephalomalacia and of angina pectoris in foam formation, 280
Angioma, Kaposi's disease as systemic angiomatosis, 736
Anoxia: See under Oxidation reduction
Anthracene, elimination of 1,2-benzpyrene, 1,2,5,6-dibenzanthracene and anthracene from blood stream, 903
Anthracosis: See Pneumoconiosis
Antibodies: See Antigens and Antibodies
Antigens and Antibodies: See also Agglutinins; Immunity; Lipoids; Precipitin
antibodies for Trichomonas foetus, 744
antigenic composition of virus of psittacosis, 731
antigenic function of kidney, 591
antigenicity of carbohydrates, 287
detection of antigenic differences in mouse erythrocytes by means of immune serums, 441
heterophile hapten and specific polysaccharide hapten of smooth form of Bacterium Shigae, 285
inactivation of H antigen by dilute mineral acid, 132
localization and concentration of antibodies and colloidal dye in areas of inflammation of various ages, 145
significance of Vi antigen and antibody in typhoid fever, 899
synergy of antibodies, 442
tumor antigens, 597
Vi antigens of various Salmonella types, 441
Antiserum: See under names of various diseases, as Diphtheria; etc.
Antistreptolysin: See Streptococci
Antitoxin: See under Diphtheria; Tetanus; etc.
Aorta, Aneurysm: See Aneurysm, aortic
coarctation, with intermittent leakage of congenital cerebral aneurysm, 884
necrosis of arteriosclerotic plaques and its relation to atheroma, 586
origin of 1 coronary artery from pulmonary artery, 435
relation between diameter of aorta and distribution and extent of atherosclerosis, 888
variations in structure of normal human aorta, 436
Aortic valve, so-called congenital bicuspid, *350
Apfelbach, C. W.: Modern concepts of cirrhosis of liver, 142
Apparatus, hydraulic automatic tissue changer or immersion device, *392
procedure and apparatus for preservation in lyophil form of serum and other biologic substances, 448
simple mailing container for slides, *849
simple small paraffin ovens or constant temperature baths constructed at small cost, *539
Appendix, melanosis of colon, 610
tuberculosis of, 908
Arhinencephalia: See Brain, abnormalities
Arrhenoblastoma, ovarian tumors (granulosa cell carcinoma, arrhenoblastoma, dysgerminoma, Brenner tumor), 288
Arsenic, karyoclastic poisons, 887
Arsphenamines, death of 2 syphilitic infants from hemorrhagic encephalitis following treatment with sulpharsphenamine, 431
hypersensitiveness of guinea-pigs to, 591
Arteries: See also Aneurysm; Aorta; Arteriosclerosis; Blood pressure; Blood vessels; Embolism; Periarteritis; Thrombosis; etc.
abnormalities; so-called congenital absence of left coronary artery in child, 294
ash content of normal and pathologic large arteries, 727
changes in appearance of wall of muscular artery between diastolic and systolic blood pressures, 884
coronary; experimental coronary occlusion, 577
fat deposition in arteries treated in vitro with B factor, *332
origin of 1 coronary artery from pulmonary artery, 435
Arteries—Continued
pulmonary; so-called primary sclerosis of pulmonary vessels, 126
ridges and cell buds of arteries of thyroid, 127
transverse intimal striation of arterial system, 585
Arteriosclerosis, Aortic: See under Aorta
mechanical factors in, *1
renal; benign and malignant hypertension and nephrosclerosis, 431
Arthritis, acid-fast and alcohol-fast bacilli in urine of patients with rheumatic polyarthritis, 894
chronic, in lower mammals, 293
classification based on pathologic observations in joints, 752
Asbestosis: See Pneumoconiosis
Atheroma, necrosis of arteriosclerotic plaques and its relation to atheroma, 586
Atherosclerosis: See Arteriosclerosis
Atrophy: See Brain, atrophy; Liver, atrophy; etc.
Auerbach plexus, intestinal obstruction in infant due to unusual cause, 721
Automobile Exhaust Gas: See Carbon monoxide
Autopsies, postmortem discoloration of iris, 598
technic for removal of organs of neck, 599
Avitaminosis: See under Vitamins
Azo-Blue: See under Streptococci

B C G: See Tuberculosis
Bachem, A.: Time factor in irradiation of malignant tumors, 751, *757
Bacilli: See Bacteria
Bacteria: See also under Meningococci; Pneumococci; Staphylococci; Streptococci; Tubercle Bacilli; Typhoid, bacilli; Viruses; etc.
Abortus and Melitense Group: See also Undulant fever
abortus and melitense group; precipitable substance from genus Brucella, 285
Aertrycke: See Salmonella, aertrycke
antigenic properties combined with antibodies, 131
contamination of bacterial culture by organism resembling Hartmannella Castellanii, 129
diffusion factor in culture filtrates, 130
Eberth's: See Typhoid, bacilli
effect of purified enzymes on viruses and gram-negative bacteria, 724
enterococci; Ludwig's angina due to esculin-fermenting hemolytic streptococcus (enterococcus), 295
fusiformis; immunologic and biochemical properties of proteins extracted from fusobacteria, anaerobic streptococci and Bacterium melaninogenicum, 741
lesions produced by bacteria and bacterial toxins, *103
mediums for Bacillus typhosus, 599
mycobacteria; dissociation of unusual acid-fast organisms, 891
Necrophorus: See Actinomycosis
Paratyphoid: See Salmonella
Pertussis: See Whooping cough
reaction of mice and mouse tumors to injections of bacterial products, 733
Shiga's: See Dysentery
Tularense: See Tularemia
Bacterium: See Bacteria
Baker, A. B.: Cerebral lesions in hypoglycemia, *190
Basophils: See Pituitary Body
Baths, simple small paraffin ovens or constant temperature baths constructed at small cost, *539
Bedouin, blood grouping of Rwala Bedouin, 131
Benzanthracene, blood changes in mice in sarcoma due to, 735
elimination of 1,2-benzpyrene, 1,2,5,6-dibenzanthracene and anthracene from blood stream, 903
morphology of sarcomas produced by 1,2,5,6-dibenzanthracene, 135

Benzanthracene—Continued
spindle cell tumors and leukemia in mice after injection of water-soluble compound of 1,2,5,6-dibenzanthracene, 901
studies in carcinogenesis; detection of dibenzanthracene in mouse tumors induced by hydrocarbons, 135
transplantation of tumors induced by 1,2,5,6-dibenzanthracene in albino mice, 901
Benzopyrene, elimination of 1,2-benzpyrene, 1,2,5,6-dibenzanthracene and anthracene from blood stream, 903
studies in carcinogenesis; compounds related to benzopyrene, 746
Bergstrom, V. W.: Recurrent sarcoma of uterus, 609
Berlock Dermatitis: See Pigmentation, cutaneous
Bernstein, M. A.: Classification of arthritis based on pathologic observations in joints, 752
Bighead in sheep, *422
Bile, attenuation of typhus virus by, 894
values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Bile Ducts: See also Biliary Tract; Gallbladder
changes in liver of cat following ligation of single hepatic ducts, *641
foreign body of long standing in biliary ducts, 747
Biliary Tract: See also Bile Ducts; Gallbladder; Liver
effects of removal of functioning gallbladder, 580
values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Bilirubin in Blood: See Blood, bilirubin
Biologic products, procedure and apparatus for preservation in lyophil form of serum and other biologic substances, 448
Biskind, G. R.: Studies in histochemistry; vitamin C in testes in relaton to anatomic and to functional changes, *363
Blood: See also Erythrocytes; Hemoglobin and Hemoglobin Compounds; Leukocytes
action of human and animal blood on meningococcus, 132
bactericidal properties of, 134
bilirubin content, and urobilinogen content of urine in diabetes mellitus, 720
coagulation; Weltmann serum test, 143
correlation of serum iron, bone marrow and blood cell changes following specific therapy in macrocytic anemias, 738
Diseases: See Anemia; Leukemia; etc.
fat deposition in arteries treated in vitro with B factor, *332
fibrin; effect of dissociation of streptococci on their fibrinolytic and anticlotting activity, 283
Groups: See also Agglutination; Blood transfusion
groups; abnormal iso-antibodies following transfusions, 440
groups; agglutinogens, 731
groups; agglutinogens M and N, 899
groups; agglutinogens M and N in allergic conditions, 898
groups; agglutinogens M and N of Ainu, 897
groups; blood grouping of Rwala Bedouin, 131
groups; determination on dried blood spots and traces of saliva, 597
groups; exclusion of maternity, 597
groups; hereditary defect of N agglutinogen, 291
groups; immune hemagglutinin in rabbit and new blood group factor, 134
groups; immunization of rabbits with human serums of different blood groups, 732
groups, in forensic medicine, 597
groups; influence of temperature on iso-agglutination, 598
of female mice (breeders) of cancer-susceptible (A) and cancer-resistant (CBA) strains, *202
Blood—Continued
Parasites: See Malaria
platelets, technical methods for study of; critical review with bibliography, *850
pressure, changes in appearance of wall of muscular artery between diastolic and systolic blood pressures, 884
pressure, high; benign and malignant hypertension and nephrosclerosis, 431
pressure, high; inflammatory lesions in glomeruli in pyelonephritis in relation to hypertension and renal insufficiency, 432
pressure, systolic, variations in patients with renal tumors, 734
production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
proteins; blood plasma protein regeneration controlled by diet, 123
proteins; serologic comparison of phosphoprotein of serum of laying hen and vitellin of egg yolk, 730
sternal marrow in pernicious anemia; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
sugar; cerebral lesions in hypoglycemia, *190
sugar; chronic hepatogenic hypoglycemia due to ascending cholangiolitis with recovery following cholecystectomy, 739
transfusion, abnormal iso-antibodies following, 440
transfusion accident following repeated use of same blood donor, 898
tryptophan, clinical significance in infectious diseases, 900
urea; effect of roentgen rays on blood urea of rats immune to Jensen's sarcoma, *515
values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Bogen, E.: Monilial meningitis, 909
Bollman, J. L.: Factors influencing fatty condition in dog's liver produced by alcohol and diet rich in fat, 740
Bones, Diseases: See Osteomyelitis; etc.
formation in lung and trachea, 435
fragility; endocrine system in osteogenesis imperfecta, 585
growth; osteogenesis in "marble bone" disease, 721
Marble: See Osteosclerosis
marrow, changes in agranulocytosis, 277
marrow; changes in outlying bone marrow accompanying local increase of temperature within physiologic limits, 882
marrow; correlation of serum iron, bone marrow and blood cell changes following specific therapy in macrocytic anemias, 738
marrow; experimental radium poisoning, 577
marrow in anemias as studied by sternal biopsy, 292
marrow in Brown-Pearce carcinomatosis of rabbit, 290
marrow; increase in reticulo-endothelial cells in outlying bone marrow consequent on local increase in temperature, 883
marrow; paralysis syndrome produced in rabbits and guinea-pigs by extracts of normal primate bone marrow, 578
marrow; sternal marrow in pernicious anemia; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
primary lymphosarcoma of liver with metastases to marrow and secondary anemia, *674

Book Reviews:

Aids to Pathology; H. Campbell and K. Campbell, 911
Autopsy Diagnosis and Technique: Manual for Medical Students, Practitioners, Pathologists and Coroners' Physicians; O. Saphir, 613
British Masters of Medicine; edited by D. Power, 155

Book Reviews—Continued
Chondromalacia Patellae; A. Øwre, 910
Effet des rayons X sur les os longs en development et sur la formation de cal. Étude radiobiologique et anatomique chez la rat; B. Dahl, 910
Endocrinology in Modern Practice; W. Wolf, 155
Fundamentals of Electrocardiographic Interpretation; J. B. Carter, 754
Harvey Lectures, Delivered Under the Auspices of the Harvey Society of New York, 1935-1936, Under Patronage of New York Academy of Medicine; M. Bergmann and others, 157
Histological Technic; A. A. Krajian, 156
Hundred Years of Medicine; W. E. B. Lloyd, 456
Infection bacillaire et la tuberculose chez l'homme et chez les animaux. Etude biologique et expérimentale. Vaccination préventive; A. Calmette, 753
Juvenile Paresis; W. C. Menninger, 613
Medical Classics; compiled by E. C. Kelly, 156
Précis de parasitologie; E. Brumpt, 612
Report of Medical Research Council for Year 1935-1936, 755
Text-Book of Pathology; R. Muir, 157
Use of Developing Egg in Virus Research; F. M. Burnet, 754

Books received, 158, 298, 614, 756, 912
Bordet-Gengou Bacillus: See Whooping cough
Botryomycosis Hominis: See Granuloma pyogenicum
Bradford, F. K.: Dermoid cyst of spinal cord, 454
Brain: See also Cerebellum; Corpus Striatum; Meninges; Nervous System; etc.
abnormalities; arhinencephaly with extreme eversion of end-brain, 719
abscess, actinomycotic, *58
Aneurysm: See Aneurysm, cerebral
argentophil deposits in cancer, 127
atrophy; olivopontocerebellar atrophy, 433
carcinoma, papillomatous, in lateral ventricle, 447
cerebral lesions in hypoglycemia, *190
cortical encephalomalacia in infancy, 885
genesis of multiple encephalomalacia and of angina pectoris in foam formation, 280
gliomas, 595
is all colloid found in midbrain of hypophysial origin? 280
primary melanosarcoma, numerous pigmented nevi of skin and extensive neurofibromatosis of cutaneous nerves, 447
psittacosis; lesions of central nervous system, 439
reacting cells in brain in presence of foreign body, 885
relation of cerebrum to cerebellum, 579
ruptured cerebral varices, 124
serologic relations between brain and testicle, 443
tumors, multiple primary, 444
tumors, spinal fluid of patients with, 124
varicosis at base of, 888
Branchial apparatus, suprascapular branchial cyst, 889
Breast, adenocarcinoma, hormonal pathogenesis of, 900
cancer, associated with metastatic calcification, 748
cancer, effect of estrin on incidence in mice, 901
carcinoma, with condition of blood simulating chronic lymphatic leukemia, *531
inflammation; giant cells in chronic mastitis, 280
tumors, primary, of pituitary glands, ovaries and mammary glands in mouse, 288
Brenner Tumor: See Ovary, tumors
Bright's Disease: See Nephritis
Bronchi, cyst, congenital bronchogenic, of mediastinum in infant, 296
lung tissue culture, 581
Bronchiectasis and metaplasia in lung of rat, 584
experimental production in dogs, 606
Bronchogenic Cancer: See under Lungs, cancer
Bronchopneumonia and experimental pulmonary edema, 744
Brooks, C.: Parenteral protein in pneumonias, 744
Brown, J. W.: Anatomic and bacteriologic findings in infections with specific types of pneumococci, including types I to XXXII, *801
Brucella Abortus: See Bacteria, abortus and melitense group
Buckwheat poisoning, fagopyrism, *416
Burket, L. W.: Nasopalatine duct structures and peculiar bony pattern observed in anterior maxillary region, *793

Calcification: See also Bones, growth; etc.
metastatic, associated with carcinoma of breast, 748
Calcium metabolism in scleroderma, 607
Campbell, D. H.: Active immunization of albino rats with chemical fractions from cat tapeworm (Taenia taeniaformis) and its larval form (Cysticercus fasciolaris [Crassicollis]), 751
Cancer: See also Adenocarcinoma; Sarcoma; Tumors; etc.; and under names of organs and regions, as Brain, cancer; Breast, cancer; Liver, cancer; Lungs, cancer; etc.
argentophil deposits in brain in, 127
blood of female mice (breeders) of cancer-susceptible (A) and cancer-resistant (CBA) strains, *202
bone marrow in Brown-Pearce carcinomatosis of rabbit, 290
cells, macronucleolus in, 288
council, 713
detection of dibenzanthracene in mouse tumors induced by hydrocarbons, 135
influence of Reynals-McLean factor versus homologous tumor material on Brown-Pearce rabbit tumor, 741
of skin and xeroderma pigmentosum due to sunlight, *409
precancer; senile macular pigmentation, 721
production by hydrocarbons other than those of phenanthrene type, 593
production in rabbits with tobacco tar, 137
reaction of spontaneous tumors in mice to cystine di-sulfoxide, 444
rôle of hypophysis in rat, 288
seasonal influence in development of tar tumors in mice, 288
sensitivity of different sites of skin of mouse to carcinogenic agents, 594
serology of tumors, 596
studies in carcinogenesis; compounds related to benzopyrene, 746
studies in carcinogenesis; production of tumors in mice with hydrocarbons, 135
Cannon, P. R.: Experimental pulmonary edema and bronchopneumonia, 744
Inadequacy of allergic inflammation as protection against infection of rabbits with virulent pneumococci, 145
Cantarow, A.: Changes in liver of cat following ligation of single hepatic ducts, *641
Capillaries, intercapillary lesions in renal glomeruli, 432
Carbohydrates: See also Dextrose; Glycogen; etc.
antigenicity of, 287
carbohydrate-containing proteins of hemolytic streptococcus, 440
heterophile hapten and specific polysaccharide hapten of smooth form of Bacterium Shigae, 285
immunologic study of polysaccharide of typhoid bacillus, 441
Carbon monoxide, effects of exhaust gases from internal combustion engines and of tobacco smoke on mice, with reference to incidence of tumors of lung, 903
Carcinoma: See Cancer
Casey, A. E.: Influence of Reynals-McLean factor versus homologous tumor material on Brown-Pearce rabbit tumor, 741
Catalepsy, experimental, in cats, 881
Catron, L.: Nontransmissibility in utero of trichinosis in rat, 742

Cells: See also Cancer, cells; Phagocytes and Phagocytosis; Tissue; etc.
cytoplasmic inclusion bodies in human throat, 590
foreign body reaction of myocardium with reference to formation of giant cells and so-called myocytes, 743
giant, in chronic mastitis, 280
inclusions; salivary gland disease of mice, 283
inclusions; visceral lesions produced in mice by salivary gland virus of mice, 437
nuclear alterations following intravenous injections of glucose and of other solutions, 582
nuclei; karyoclastic poisons, 887
Cerebellum, olivopontocerebellar atrophy, 433
relation of cerebrum to, 579
Cerebrospinal Fluid of patients with tumor of brain, 124
serologic demonstration of causative agent in spinal fluid in cases of meningitis, 295
Chandler medal, 122
Chemistry, lesions produced by inorganic and organic chemical compounds, *73
Chemotropism: See Leukocytes
Chest: See Thorax
Chiari Network: See Heart, abnormalities
China and Chinese, serologic, toxigenic and biochemical reactions of hemolytic streptococci from throat of Hongkong Chinese, 893
Chlorine, effect of therapeutic inhalation on formation of antibodies, 899
Chloroform, new formation of reticulum fibers, 280
Chloroleukemia: See Chloroma
Chloroma, spontaneous leukemia and chloroleukemia in rat, 136
Chorio-epithelioma of uterus, 5 cases, 453
Choriomeningitis: See under Meningitis
Chorion, determination of duration of pregnancy by erythrocyte count in capillaries of chorionic villi, 126
Chromosomes, sensitivity to roentgen rays in relation to temperature and *pH*, 745
Clark, J. H.: Influence of thymus extract on certain endocrine organs of rat, 293
Clover Disease: See Trifoliosis
Cobalt, karyoclastic poisons, 887
Colds: See Respiratory Tract, diseases
Colitis, chronic ulcerative, further studies on Bacterium necrophorum from, 453
production in dog with staphylococcus toxin, *634
ulcerative; streptococci from human gastrointestinal ulcerations and from bovine mastitis, 438
Colloids, localization and concentration of antibodies and colloidal dye in areas of inflammation of various ages, 145
Colon, melanosis of, 610
Compere, E. L.: Pathologic comparison of tuberculosis and pyogenic infection of spine, 454
Conn, J. W.: Chronic hepatogenic hypoglycemia due to ascending cholangiolitis with recovery following cholecystectomy, 739
Cor Pulmonale: See Heart, dilatation
Cornbleet, T.: Calcium metabolism in scleroderma, 607
Coronary Arteries: See under Arteries
Corpora Amylacea: See Amyloidosis
Corpus Striatum, unilateral traumatic selective degeneration of pallidum and striatum, 583
Coryza: See Respiratory Tract, diseases
Curtis, S. H.: Multiple myeloma; report of case, 609
Cushing Syndrome: See under Pituitary Body
Custer, R. P.: Bone marrow in anemias as studied by sternal biopsy, 292
Histogenesis of plasmocyte, 748
Cylindroma of palate, 447
Cystadenoma, uterine papillary, with origin in rests of wolffian body; report of case, 600
Cystine, reaction of spontaneous tumors in mice to cystine di-sulfoxide, 444
Cysts: See under names of organs and regions, as Bronchi; etc.
Dermoid: See Tumors, dermoid

Dack, G. M.: Further studies on Bacterium necrophorum from chronic ulcerative colitis, 453
Dameshek, W.: Sternal marrow in pernicious anemia; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
d'Aunoy, R.: Experimental pathologic study of lymphogranuloma venereum, 745
Davidsohn, I.: So-called superior pulmonary sulcus tumor, 906
Davison, C.: Lesions of nervous system of rat in vitamin B deficiency, *207
Death, shock; mechanism of death following intestinal obstruction, 579
sudden, in case of schistosomiasis of lungs, 600
Degeneration, fatty; perirenal and peripelvic fibrolipomatosis, 434
production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
Delaney, P. A.: Modification of Ziehl-Neelsen method of staining tubercle bacilli and tissues in paraffin or pyroxylin (celloidin) sections; comparison of this method with Cooper's technic, *265
Dementia paralytica, specific infectiousness of syphilitic ganglions, 130
Dermatitis, Berlock: See Pigmentation, cutaneous
multiformis; virus of pemphigus and herpetiform dermatitis, 588
with secondary sensitivity to light, *415
Dermatomyositis, 719
Dermoid Cysts: See Tumors, dermoid
Dextrose, nuclear alterations following intravenous injections of glucose and of other solutions, 582
Diabetes Mellitus: See also Blood sugar
bilirubin content of blood and urobilinogen content of urine in, 720
chronic periarteritis nodosa, 435
effects of adrenalectomy and hypophysectomy on experimental diabetes in cat, 276
Dibenzanthracene: See Benzanthracene
Dick Test: See under Scarlet fever
Digestive Tract: See also Gastro-Intestinal Tract; Intestines; Stomach; etc.
neurogenous tumors of, 904
Diphtheria, immunity; immunization with mixtures of diphtheria anatoxin (Ramon) with aluminum hydroxide, 286
normal antitoxin, 287
one dose immunization against diphtheria with precipitated anatoxin, 134
Dixon, H. M.: Chemotropism in leukocytes; source of attractive substance, 743
Doan, C. A.: Correlation of serum iron, bone marrow and blood cell changes following specific therapy in macrocytic anemias, 738
Donors: See Blood transfusion
Dragstedt, L. R.: Further studies on Bacterium necrophorum from chronic ulcerative colitis, 453
Drugs, thymus and adrenals in response of organism to injuries and intoxications, 580
Dyes: See Stains and Staining
Dysentery, heterophile hapten and specific polysaccharide hapten of smooth form of Bacterium Shigae, 285
Dysgerminoma, ovarian tumors (granulosa cell carcinoma, arrhenoblastoma, dysgerminoma, Brenner tumor), 288

Ectromelia, Infectious, propagation of virus of mice in developing egg, 726
virus of, 594
Edema: See Elephantiasis; Lungs, edema; Spleen, edema; etc.
Eggs, serologic comparison of phosphoprotein of serum of laying hen and vitellin of egg yolk, 730
Egoville, J. W.: Metastatic calcification associated with carcinoma of breast, 748
Elephantiasis, lymphedema of extremities from invasion of lymphatic vessels by cancer cells, 902

Embolism: See also Thrombosis
certain effects of pulmonary gas embolism, 716
genesis of multiple encephalomalacia and of angina pectoris in foam formation, 280
paradox of Chiari's network, 718
Encephalitis: See also Encephalomyelitis
effect of reticulo-endothelial blockade on vaccination, 592
epizootic, in foxes, 586
experimental intranasal infection with certain neurotropic viruses; prevention by means of chemicals instilled into nostrils, 439
experimental (St. Louis type) in mice with high inborn resistance, 724
hemorrhagic, following treatment with sulpharsphenamine, death of 2 syphilitic infants, 431
Encephalomyelitis, equine, active immunization of guinea-pigs with formaldehydized virus of, 896
equine, neutralization of virus by immune serum, 896
Endocarditis, acute, produced by Bacillus paratyphosus B, *270
endocardial reaction of mitral and tricuspid valves of infants and children, 436
pathologic-anatomic study of, 721
subacute bacterial, streptococci of, 591
Endocrine Glands: See also Hormones
endocrine system in osteogenesis imperfecta, 585
influence of thymus extract on certain endocrine organs of rat, 293
Endometrium, histological studies during various phases of menstrual cycle, 278
Endothelioma of pleura, 904
so-called pleural endothelioma, 737
Endothelium: See Reticulo-Endothelial System
Endotoxin: See Salmonella, aertrycke
Enteritis: See under Intestines
Enterococcus: See Bacteria, enterococci
Enzymes, blood group ferment in saliva, 592
content of parenchymatous adenocarcinoma of pancreas, 135
purified, effect on viruses and gram-negative bacteria, 724
Epididymis, tumors of spermatic cord, epididymis and testicular tunics, 136
Epilepsy, corpora amylacea in nerve cells, 720
Epithelioma, intracutaneous, of rabbits and its immunizing effect, 446
Epithelium, epithelial metaplasia of thyroid gland with reference to histogenesis of squamous cell carcinoma of thyroid gland, *821
Ergosterol, Irradiated: See Viosterol
Erythroblastosis: See Hematopoietic System
Erythrocytes: See also Anemia,; Hemoglobin and Hemoglobin Compounds; Hemolysis; etc.
detection of antigenic differences in mouse erythrocytes by means of immune serums, 441
determination of duration of pregnancy by erythrocyte count in capillaries of chorionic villi, 126
sternal marrow in pernicious anemia; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
Escudero, L.: Experimental production of bronchiectasis in dogs, 606
Esophagus, diverticula, 888
primary lymphogranulomatosis of, 887
Estrin: See Hormones, sex
Estrogenic Substances: See Hormones, sex
Extremities, arteriographic study of collateral circulation, 433

Fagopyrism: See under Buckwheat poisoning
Fallopian Tubes, actinomycosis of tubes and ovaries, *53
lipoid cell granuloma after uterosalpingography, 888
Fasting, blood plasma protein regeneration controlled by diet, 123
Fat: See also Lipoids
comment on Kawamura-Yasaki fat staining method and modification in preparation of stock solution, 139
deposition in arteries treated in vitro with B factor, *332
morphology in tumors, 447
origin of fat and lipoids in tissue cultures, 717
production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
staining, new method, 138
Feldman, L.: So-called superior pulmonary sulcus tumor, 906
Fellowship, Mary Putnam Jacobi fellowship, 275
Femur, Ewing's sarcoma, 446
Ferments: See Enzymes
Fever: See also Malaria; Temperature; Typhoid; Typhus; etc.
acute postoperative necrosis of liver, 714
Artificial: See under Rabies
Undulant: See Undulant fever
Fibrin, experimental studies on primary changes during formation of thrombi, *307
Fibrinolysis: See Blood, fibrin
Fibrolipomatosis, perirenal and peripelvic, 434
Fibroma, change in rabbit fibroma virus suggesting mutation, 128
Filariasis in Puerto Rico, 283
Fingers and Toes, mixed tumor of salivary gland type involving finger, 447
Finland, M.: Anatomic and bacteriologic findings in infections with specific types of pneumococci, including types I to XXXII, *801
Fischer, M. H.: William Buchanan Wherry, 148
Fistula, values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Fite, G. L.: Rare malformation of liver, 607
Flock, E.: Factors influencing fatty condition in dog's liver produced by alcohol and diet rich in fat, 740
Foot, N. C.: Criticism of laboratory routine in modern institutions of pathology, 749
Foot and Mouth Disease, purified virus of, 726
virus as influenced by tissue culture, 894
Foramen incisivum, nasopalatine duct structures and peculiar bony pattern observed in anterior maxillary region, *793
Foreign Bodies, encapsulation of foreign material in peritoneal cavity, 718
meningeal mesenchymoma of foreign body origin, 447
of long standing in biliary ducts, 747
reacting cells in brain in presence of, 885
Fox, H.: Chronic arthritis in lower mammals, 293
Fox, J. P.: Localization and concentration of antibodies and colloidal dye in areas of inflammation of various ages, 145
Frambesia, reinoculation with spirochetes of yaws, 728
Francis, L. D.: Blood of female mice (breeders) of cancer-susceptible (A) and cancer-resistant (CBA) strains, *202
Frontal Bone, Morgagni's syndrome—internal frontal hyperostosis, virilism and obesity, 723
Fungi, preparation of permanent gross colonies of fungi for teaching purposes, *681
Fusobacteria: See Bacteria, fusiformis

Gallbladder: See also Bile; Bile Ducts; Biliary Tract
function, studies of, 715
functioning, effects of removal of, 580
pleomorphic cell sarcoma of, 147
Gangliogliomeuroma of spinal cord, 144
Ganglions, changes in spinal cord and posterior root ganglions in sepsis, 722
Gardner, L. U.: Silicosis and related conditions (annual Gross lecture), 905

Gastro-Intestinal Tract: See also Colon; Digestive Tract; Intestines; Stomach; etc.
tetanus toxin in digestive tract, 286
Geeldikkop: See Tribulosis
Genitals, histologic changes in sex organs of spayed rats induced by testosterone and estrone, 716
Glick, D.: Studies in histochemistry; vitamin C in testes in relation to anatomic and to functional changes, *363
Glioma, 595
gliomatosis of leptomeninges, 902
Globin: See Hemoglobin and Hemoglobin Compounds
Globus Pallidus: See under Lenticular Nucleus
Glomerulonephritis: See Nephritis, glomerular
Glomus, glomal tumors, *615
Glucose: See Dextrose
Glycogen, cardiomegalia glycogenica circumscripta, 431
disease, 584
Gold, demonstration in animal tissues by method of physical development (germ method of Liesegang), 599
Gonadotropic Substances: See Hormones, sex
Gonads: See Endocrine Glands; Genitals; Ovary; Testicles
Gordon Test: See Lymphogranuloma
Gough, J. A.: Five cases of chorio-epithelioma of uterus, 453
Granuloma inguinale, specific histology of, *224
pyogenicum; botryomycosis in man, 602
Grattan, J. F.: Values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Greenblatt, R. B.: Specific histology of granuloma inguinale, *224
Grethmann, W.: Pathogenesis of tuberculosis as general and systemic infection with reference to pulmonary tuberculosis, 451
Gross, H.: Sclerosis of hepatic veins in chronic congestive heart failure, *457
Gross, L.: So-called congenital bicuspid aortic valve, *350
Gross, P.: Hydraulic automatic tissue changer or immersion device, *392
Simple small paraffin ovens or constant-temperature baths constructed at small cost, *539
Growth curves of malignant and normal tissues of rat, 734
influence of thymus extract on certain endocrine organs of rat, 293

von Haam, E.: Experimental pathologic study of lymphogranuloma venereum, 745
Haemophilis Influenzae: See Influenza
Haptens: See Antigens and Antibodies
Hartley, G., Jr.: Inadequacy of allergic inflammation as protection against infection of rabbits with virulent pneumococci, 145
Hartmannella Castellanii: See Amebae
Hartsuch, P. J.: Chemical reaction between oleic acid and aqueous solutions of magnesium, 752
Hawkins, E. L.: Tuberculosis of tonsils, 909
Head, injuries; unilateral traumatic selective degeneration of pallidum and striatum, 583
Heart: See also Endocarditis; Myocarditis; etc.
abnormalities; mitral stenosis with interauricular insufficiency, 719
abnormalities; paradox of Chiari's network, 718
aneurysm of sinus of Valsalva with rupture into right auricle, *679
congenital syphilis with unusual histologic changes in myocardium, 2 cases, 450
dilatation; sickle-cell anemia; new cause of cor pulmonale, 277
displacement; transposition of arterial trunks, 146
effect of acute scurvy on guinea-pig heart, *20
experimental coronary occlusion, 577
factors influencing deposition of pigment in heart muscle, 888
Heart—Continued
foreign body reaction of myocardium with reference to formation of giant cells and so-called myocytes, 743
hypertrophy; cardiomegalia glycogenica circumscripta, 431
lesions in auriculoventricular conduction system in rheumatic fever, 277
morphologic changes in experimental myxedema, 578
perforation of intraventricular septum, 721
Rheumatic Disturbances: See under Rheumatic Fever
sclerosis of hepatic veins in chronic congestive heart failure, *457
Heinz, T. E.: Further studies on Bacterium necrophorum from chronic ulcerative colitis, 453
Hemagglutinins: See Blood, groups
Hematoma: See Meninges, hemorrhage
Hematopoietic System: See also Erythrocytes
connection between erythroblastosis (hemocytoblastosis), myelosis and sarcoma in chickens, 290
leuko-erythroblastic anemia, 886
Hemken, L.: Allergic lesions produced by injection of protein, 907
Hemochromogen: See Hemoglobin and Hemoglobin Compounds
Hemoglobin and Hemoglobin Compounds: See also Anemia; Blood; Erythrocytes; Hemolysis
pneumonoconiosis; iron pigment in anthracosis, 281
researches on carbon monoxide hemochromogens, 598
Hemolysis, changes of hemolytic titer after reinjections of antigens, 287
Hemophilis Pertussis: See Whooping cough
Hemsath, F. A.: Histology of homoplastic adrenal transplant that survived for 8 months in patient with Addison's disease, 141
Henthorne, J. C.: Rôle of anaerobic streptococci in human infections, *230
Hepatic Duct: See Bile Ducts
Hermaphroditism, topographic relations of prostate in, 586
Herpes virus, homogenized, properties of, 438
virus, virulence of, 125
Hirsch, E. F.: Primary lymphosarcoma of liver with metastases to marrow and secondary anemia, *674
Histamine, experimental intoxication and inflammation, 884
Hodgkin's Disease: See Lymphogranuloma
Horack, H. M.: Effect of artificial fever on experimental rabies, 742
Hormones: See also Endocrine Glands; and under names of organs, as Testicles; etc.
prolonged application of follicular hormone on rabbit uterus, 714
sex: changes induced by estrogens in adrenals of male mice, 581
sex: effect of estrin on incidence of mammary cancer in mice, 901
sex; gonadotropic hormone in testicular tumors, 448
sex; histologic changes in sex organs of spayed rats induced by testosterone and estrone, 716
sex; hormonal pathogenesis of adenocarcinoma of breast, 900
sex: metaplasia of uterine epithelium in rats after administration of estrin, 577
Horn, H.: Experimental nephropathies, *71, *241
Howe, J. S.: Rôle of anoxia of tissues in reaction to tuberculin, 740
Variability of tuberculin reaction, 908
Hydroa vacciniforme seu aestivale with porphyrinuria, caused by sunlight, *404
Hydrocarbons, experimental production of visceral tumors with, 593
production of cancer by hydrocarbons other than those of phenanthrene type, 593
studies in carcinogenesis; production of tumors in mice with hydrocarbons, 135

Hydrogen Ion Concentration, colony morphology of tubercle bacilli, 128
sensitivity of chromosomes to roentgen rays in relation to temperature and pH, 745
Hydronephrosis, experimental contributions to study of, 883
in supernumerary kidney, 907
Hydrophobia: See Rabies
Hyperergy: See Anaphylaxis and Allergy
Hypericism, *418
Hypersensitiveness: See Anaphylaxis and Allergy
Hypertension: See Blood pressure, high
Hypoglycemia: See Blood sugar
Hypophysectomy: See under Pituitary Body
Hypophysis: See Pituitary Body
Hysterectomy: See under Uterus

Ikeda, K.: Lipoid pneumonia of adult type (paraffinoma of lung); report of 5 cases, *470
Immunity: See also Anaphylaxis and Allergy; Antigens and Antibodies; Diphtheria, immunity; Serum, immune; Streptococci; etc.
active immunization of albino rats with chemical fractions from cat tapeworm (Taenia taeniaformis) and its larval form (Cysticercus fasciolaris [Crassicollis]), 751
antigenic properties of bacteria combined with antibodies, 131
antigenic properties of hormones, 731
changes of hemolytic titer after reinjections of antigens, 287
immunization of rabbits with human serums of different blood groups, 732
mass factor in immunologic studies on viruses, 896
nonspecific allergy, 731
phenomenon of local skin reactivity to bacterial filtrates, 891
rôle of vitamin C in resistance, *543, *683
serologic relations between brain and testicle, 443
serologic specificity of tuberculous caseous matter, 443
synergy of antibodies, 442
toxic substances in urine and sweat in typhoid fever, 284
Infection, blood plasma protein regeneration controlled by diet, 123
clinical significance of tryptophan in blood serum in infectious diseases, 900
influence of infection and intoxication on hemoglobin production in anemia, 580
Inflammation, allergic, inadequacy as protection against infection of rabbits with virulent pneumococci, 145
and experimental histamine intoxication, 884
localization and concentration of antibodies and colloidal dye in areas of inflammation of various ages, 145
Influenza, acute degenerative myocarditis in, 722
epidemic, propagation of virus on developing egg, 130
human virus in artificial medium, 723
neutralization tests with serum of convalescent or immunized animals and viruses of swine and human influenza, 729
neutralizing antibodies for virus of human influenza in serums of persons of different ages, 729
neutralizing antibodies for virus of swine influenza in serums of human beings of different ages, 729
recovery of filtrable virus from children with influenza, 586
recovery of virus suspended in air and its destruction by ultraviolet radiation, 587
virus, propagation on developing egg, 892
Instruments: See Apparatus
Internal Secretions: See Endocrine Glands
Intestines: See also Colon; Gastro-Intestinal Tract
intestinal flora of chickens affected with enteritis and intestinal parasitism, 589
obstruction in infant due to unusual cause, 721
rôle of anaerobic streptococci in human infections, *230
Intestines—Continued
shock; mechanism of death following intestinal obstruction, 579
Intranuclear Inclusions: See Cells
Iodine, lipoid cell granuloma of fallopian tubes after uterosalpingography, 888
Iris, postmortem discoloration of, 598
Irradiation: See Radiations; Radium; Roentgen Rays; and under names of diseases and organs
Isaacs, R.: Stages in development of monocyte, 747
Iso-Agglutination: See Agglutination; Blood, groups
Iso-Agglutinins: See under Agglutinins; Blood, groups

Jacobi, Mary Putnam Jacobi fellowship, 275
Jaffé, R. H.: Epithelial metaplasia of thyroid gland with reference to histogenesis of squamous cell carcinoma of thyroid gland, *821
Jaws, nasopalatine duct structures and peculiar bony pattern observed in anterior maxillary region, *793
Joints, classification of arthritis based on pathologic observations in joints, 752
rôle of reticulo-endothelial system in deposition of colloidal and particulate matter in articular cavities, 579
Jones, T. D.: Effect of acute scurvy on guinea-pig heart, *20
Jordan, H. E.: Hemoblastic leukemia; study of case, *653
Jurisprudence, Medical; blood grouping in forensic medicine, 597
central nervous system in acute metallic poisoning, 291
forensic medicine, 576
medicolegal conference, 576

Kahn Test: See under Syphilis
Kaposi's Sarcoma: See Sarcoma
Karyoclasis: See Cells, nuclei
Kellert, E.: Melanosis of colon, 610
Kelman, H.: Tumor of superior thoracic inlet (tumor of superior pulmonary sulcus); clinicopathologic study, *383
Kessel, J.: Monilial meningitis, 909
Kidneys, antigenic function of, 591
bilateral cortical necrosis in pregnancy, 434
denervated, hyperergic reaction of, 581
denervation, lesions produced by, *241
Diseases: See also Hydronephrosis; Nephritis; Pyelonephritis
diseases; experimental nephropathies, *71, *241
glycogen disease, 584
hydronephrosis in supernumerary kidney, 907
inflammatory lesions in glomeruli in pyelonephritis in relation to hypertension and renal insufficiency, 432
lesions produced by bacteria and bacterial toxins, *103
lesions produced by excessive ingestion of protein or irradiated food products, *95
lesions produced by inorganic and organic chemical compounds, *73
lesions produced by irradiation, *91
lesions produced by parenteral injections of proteins and nephrotoxins, *245
perirenal and peripelvic fibrolipomatosis, 434
tuberculosis, 143
tumors; variations in systolic blood pressure in patients with renal tumors, 734
waste pigment of renal epithelium, 889
weight of normal adult human kidneys and its variability, *493
King, L. S.: Connective tissue reaction in multiple and in diffuse sclerosis, *338
Klein, R. I.: Weltmann serum test, 143
Klinck, G. H., Jr.: Lipoid pneumonia; report of case, 608
Krafka, J., Jr.: Mechanical factors in arteriosclerosis, *1

Laboratories, criticism of laboratory routine in modern institutions of pathology, 749
Larson, C. P.: Museum mountings at minimum cost, *536

Larynx, immunologic studies of virus of infectious laryngotracheitis of fowls, with "developing egg technic," 895
infraglottic perforating tuberculous ulcer of, 432
Latitude, antistreptolysin titer in relation to, 132
Laufman, H.: Hydronephrosis in supernumerary kidney, 907
Lebowich, R. J.: Mediastinal teratoma with secondary squamous cell carcinoma, 608
Lens, Crystalline; studies in synergy, 895
Lenticular Nucleus, unilateral traumatic selective degeneration of pallidum and striatum, 583
Leptomeninges: See Meninges
Leukemia and spindle cell tumors in mice after injection of water-soluble compound of 1, 2, 5, 6-dibenzanthracene, 901
carcinoma of breast with condition of blood simulating chronic lymphatic leukemia, *531
hemoblastic, study of case, *653
leukosis and sarcomatosis of chickens; unity of virus, 137
monocytic, report of case, 609
myelogenous; connection between erythroblastosis (hemocytoblastosis), myelosis and sarcoma in chickens, 290
spontaneous, and chloroleukemia in rat, 136
Leukocytes: See also Leukemia; Mononucleosis; Phagocytes and Phagocytosis; etc.
blood changes in mice in sarcoma, 735
chemotropism in; source of attractive substance, 743
stages in development of monocyte, 747
transfers of living leukocytes, 743
Leukosis: See Leukemia
Lev, M.: Transposition of arterial trunks, 146
Levin, E. J.: Museum mountings at minimum cost, *536
Levine, J.: Actinomycosis of tubes and ovaries, *53
Levinson, S. A.: Weltmann serum test, 143
Lichtenstein, B. W.: Actinomycotic abscess of brain, *58
Ganglioglioneuroma of spinal cord, 144
Lieberthal, F.: Renal tuberculosis, 143
Light: See also Radiations; Ultraviolet Rays
dermatitis with secondary sensitivity to, *415
malignant tumors from solar irradiation, 290
photosensitization and photodynamic diseases of man and lower animals, *399
Lilly award, 880
Lipids: See Lipoids
Lipogranulomatosis, progressive lipomatosis of musculature with lipocalcinogranulomatosis, 722
Lipoids: See also Fat; etc.
changes of hemolytic titer after reinjections of antigens, 287
fixed antigens of tubercle bacillus, 133
lipoid pneumonia of adult type (paraffinoma of lung); report of 5 cases, *470
lipoid pneumonia; report of case, 608
waste pigment of renal epithelium, 889
Lipoma of brain and spinal cord, 596
Lisa, J. R.: Actinomycosis of tubes and ovaries, *53
Two cases of congenital syphilis with unusual histologic changes in myocardium, 450
Unusual findings in acute coronary thrombosis, 449
Liver: See also Biliary Tract
abnormalities; rare malformation of, 607
acute postoperative necrosis of, 714
arterial circulation in normal human liver, 436
atrophy, massive acute, 887
carcinoma, experimental, 596
changes in cat following ligation of single hepatic ducts, *641
chronic hepatogenic hypoglycemia due to ascending cholangiolitis with recovery following cholecystectomy, 739
cirrhosis, architecture of small nodule form, 281
cirrhosis, modern concepts of, 142
Liver—Continued
diseases; bilirubin content of blood and urobilinogen content of urine in diabetes mellitus, 720
factors influencing fatty condition in dog's liver produced by alcohol and diet rich in fat, 740
glycogen disease, 584
primary lymphosarcoma of liver with metastases to marrow and secondary anemia, *674
size of spleen and liver-spleen ratio; statistical study based on 1,000 autopsies, *33
Louping-Ill: See Encephalomyelitis
Lucké, B.: Tumor in tadpole, 292
Lufkin, N. H.: Cerebral lesions in hypoglycemia, *190
Lungs: See also Pleura; Respiratory Tract; etc.
abscess; immunologic and biochemical properties of proteins extracted from fusobacteria, anaerobic streptococci and Bacterium melaninogenicum, 741
abscess, morbid histology of walls of, 434
bone formation in lung and trachea, 435
cancer, and pulmonary asbestosis, 734
cancer; bronchiectasis and metaplasia in lung of rat, 584
cancer; bronchogenic carcinoma, 136
cancer; pathologic changes in primary cancer of lung, 138
cancer, primary, 445
cancer; primary diffuse alveolar carcinoma of lung, 595
cancer, squamous cell, in asbestosis, 446
edema, experimental, and bronchopneumonia, 744
fate of iodized poppy-seed oil 40 per cent in pulmonary parenchyma in man, 887
lipoid pneumonia of adult type (paraffinoma of lung); report of 5 cases, *470
lung tissue culture, 581
reaction of lung of rabbit in acute anaphylactic shock, 899
relations between inflammatory processes of lung and reactions of respective lymph glands, 126
rôle of anaerobic streptococci in human infections, *230
schistosomiasis of, sudden death in case of, 600
so-called superior pulmonary sulcus tumor, 906
Tuberculosis: See under Tuberculosis
tumors, effects of exhaust gases from internal combustion engines and of tobacco smoke on mice with reference to incidence of, 903
Lymph, dust transport and lymph circulation in lung, 281
Lymph Nodes: See also Lymphogranuloma; Lymphosarcoma; etc.
course of vital storage in, 717
experimental radium poisoning, 577
relations between inflammatory processes of lung and reactions of respective lymph glands, 126
specific infectiousness of syphilitic ganglions, 130
time of appearance of spirochetes of syphilis in regional lymph nodes, 727
variations in pathogenicity of spirochete of syphilis, 893
Lymphangioma, cystic, of adrenal gland, 137
Lymphatic System: See also Lymph Nodes
lymphedema of extremities from invasion of lymphatic vessels by cancer cells, 902
Lymphedema: See Elephantiasis
Lymphocytes in Meningitis: See Meningitis
Lympho-epithelioma and reticulosarcoma, 138
Lymphogranuloma: See also Granuloma
Gordon test for Hodgkin's disease, 587
Hodgkin's disease of stomach with fatal gastric hemorrhage, 140, *844
primary lymphogranulomatosis of esophagus, 887
venereum, cultivation of virus in mice, 588
venereum, experimental pathologic study of, 745
Lymphosarcoma, primary, of liver with metastases to marrow and secondary anemia, *674

McBroom, J.: Effect of acute scurvy on guinea-pig heart, *20
McCrea, F. D.: Effect of artificial fever on experimental rabies, 742
McCutcheon, M.: Chemotropism in leukocytes; source of attractive substance, 743
McDonald, J. R.: Rôle of anaerobic streptococci in human infections, *230
Maddock, S.: Values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Magnesium, chemical reaction between oleic acid and aqueous solutions of magnesium, 752
Malaria, choroid melanin and serum flocculation in, 133
Malformations: See Abnormalities and Deformities; and under names of organs and regions
Malta Fever: See Undulant fever
Mammary Gland: See Breast
Mandible: See Jaws
Mann, F. C.: Factors influencing fatty condition in dog's liver produced by alcohol and diet rich in fat, 740
Marble Bones: See Osteosclerosis
Marmorston, J.: Rôle of vitamin C in resistance, *543, *683
Marshak, A.: Sensitivity of chromosomes to roentgen rays in relation to temperature and *pH*, 745
Massopust, L. C.: Infra-red photography of gross anatomic specimens, *67
Mastitis: See Breast, inflammation; Udders, inflammation
Maternity, exclusion of, 597
Mathews, F. P.: Photosensitization and photodynamic diseases of man and lower animals, *399
Maxillary Bone: See Jaws
Medal, Chandler medal, 122
Walter Reed medal, 122
Mediastinum, congenital bronchogenic cyst in infant, 296
mediastinal teratoma with secondary squamous cell carcinoma, 608
Mediums: See also under names of bacteria, i. e., Tubercle Bacilli; etc.
for Bacillus typhosus, 599
Megaloblast: See Erythrocytes
Melanin, pigmentation; melanosis of colon, 610
Melanoma, 900
Melanosarcoma, primary, of brain, numerous pigmented nevi of skin and extensive neurofibromatosis of cutaneous nerves, 447
Melanosis: See Melanin, pigmentation
Melnick, P. J.: Time factor in irradiation of malignant tumors, 751, *757
Meninges, gliomatosis of leptomeninges, 902
hemorrhage; surgical pathology of subdural hematoma, 433
meningeal mesenchymoma of foreign body origin, 447
Meningitis: See also Meningococci
epidemic in mouse colony due to virus of acute lymphocytic choriomeningitis, 590
epidemiology of lymphocytic choriomeningitis in white mice, 725
monilial, 909
rôle of anaerobic streptococci in human infections, *230
serologic demonstration of causative agent in spinal fluid in, 295
tuberculous, pathogenesis of, 889
Meningococci: See also under Meningitis
action of human and animal blood on, 132
standardization and concentration of antimeningococcus horse serum (type I), 131
Meningo-Encephalitis: See Encephalitis; Meningitis
Menstruation, histological studies of endometrium during various phases of menstrual cycle, 278
Mesenchymoma, meningeal, of foreign body origin, 447
Mesonephroma ovarii, 603
Mesonephros: See Wolffian Body
Metals, Poisoning: See Poisons and Poisoning
Midbrain: See Brain
Milk, irradiated, in experimental inhalation tuberculosis in guinea-pigs, 890
Mitral Valve, endocardial reaction of mitral and tricuspid valves of infants and children, 436
mitral stenosis with interauricular insufficiency, 719
Monilia; monilial meningitis, 909
Monocytes: See Leukemia, monocytic; Leukocytes
Mononucleosis, infectious, 133
Moore, C. V.: Correlation of serum iron, bone marrow and blood cell changes following specific therapy in macrocytic anemias, 738
Moore, R. A.: Pathology of prostatic utricle, *517
Morgagni's Syndrome: See under Frontal Bone
Morgan, D. R.: Changes in liver of cat following ligation of single hepatic ducts, *641
Mote, J. R.: Effect of acute scurvy on guinea-pig heart, *20
Mouth, buccal leukoplakia, 734
Mucin: See under Stomach
Müller's Duct, pathology of prostatic utricle, *517
Mumps: See Parotitis
Muscles, progressive lipomatosis of musculature with lipocalcinogranulomatosis, 722
Museum, clinicopathologic, 275
mountings at minimum cost, *536
Myasthenia gravis, thymoma and thymic hyperplasia in, 718
Mycobacteria: See Bacteria, mycobacteria
Myeloma, multiple, report of case, 609
Myelopoiesis: See Bones, marrow
Myelosis: See Leukemia, myelogenous
Myocarditis, acute degenerative, in influenza, 722
Myocardium: See under Heart
Myxedema, experimental, morphologic changes in heart in, 578

Nasopalatine Canal: See Foramen incisivum
Neck, technic for removal of organs of neck, 599
Necropsies: See Autopsies
Necrosis, collagen and reticulum fibers in necrotic foci, 584
Neely, J. M.: Sarcoma of uterus, *525
Negri Bodies: See Rabies
Nelson, P. M.: Antibodies for Trichomonas foetus, 744
Neoplasms: See Tumors
Nephritis: See also Kidneys, diseases; Pyelonephritis
glomerular; intercapillary lesions in renal glomeruli, 432
glomerular; lesions produced by parenteral injections of proteins and nephrotoxins, *245
Nephropathy: See under Kidneys
Nephrosclerosis: See Arteriosclerosis, renal
Nephrosis: See Kidneys, diseases; Nephritis
Nephrotoxins: See Nephritis, glomerular
Nerves, Cells: See Neurons
olfactory; olfactory bulbs in experimental poliomyelitis, 589
regeneration of posterior root fibers in cat, 881
Tumors: See under names of tumors
Nervous System: See also Brain; Cerebellum; Nerves; Spinal Cord; etc.
central, in acute metallic poisoning, 291
cerebral lesions in hypoglycemia, *190
effect of nerve stimulation on hyperergic inflammatory reaction, 123
lesions in rat in vitamin B deficiency, *207
lesions of central nervous system in trypanosomiasis, 125
lipomas of brain and spinal cord, 596
neurogenous tumors of digestive tract, 904
Neter, E.: Case of Ludwig's angina due to esculin-fermenting hemolytic streptococcus (enterococcus), 295
Serologic demonstration of causative agent in spinal fluid in cases of meningitis, 295
Neurofibromatosis, primary melanosarcoma of brain, numerous pigmented nevi of skin and extensive neurofibromatosis of cutaneous nerves, 447
Neurohypophysis: See Pituitary Body
Neurons, corpora amylacea in nerve cells, 720

Neurotropism: See Encephalitis
Nevi, primary melanosarcoma of brain, numerous pigmented nevi of skin and extensive neurofibromatosis of cutaneous nerves, 447
transformation of nevus cells into sebaceous gland cells? 279
Nickel, karyoclastic poisons, 887
Nicotine, experimental chronic poisoning, 276
Nose, survival of virus of poliomyelitis in oral and nasal secretions of convalescents, 724

Obesity, Morgagni's syndrome—internal frontal hyperostosis, virilism and obesity, 723

OBITUARIES:

Wherry, William Buchanan, 148

Old age, senile macular pigmentation, 721
Olfactory Bulb: See Nerves, olfactory
Opsonins, artificial opsonization of bacteria, 898
Osmosis and Permeability, diffusion factor in culture filtrates, 130
Osteogenesis: See Bones, growth
Imperfecta: See Bones, fragility
Osteomyelitis, pathologic comparison of tuberculosis and pyogenic infection of spine, 454
Osteosclerosis, osteogenesis in "marble bone" disease, 721
Ovary, actinomycosis of tubes and ovaries, *53
effect of hysterectomy on ovary of Macacus rhesus, 276
excision; histologic changes in sex organs of spayed rats induced by testosterone and estrone, 716
mesonephroma ovarii, 603
primary tumors of pituitary glands, ovaries and mammary glands in mouse, 288
some effects of ovariectomy during period of declining reproductive powers in mice, 715
tumors; granulosa cell carcinoma, arrhenoblastoma, dysgerminoma, Brenner tumor, 288
Ovens, simple small paraffin ovens or constant temperature baths constructed at small cost, *539
Oxidation reduction, rôle of anoxia of tissues in reaction to tuberculin, 740

Palate, cylindroma of, 447
mixed tumors of, 136
Pancreas, enzyme content of parenchymatous adenocarcinoma of, 135
Pancreatitis, acute hemorrhagic, pathogenesis of, 582
Papilloma, papillomatous carcinoma in lateral ventricle, 447
Paraffin, simple small paraffin ovens or constant temperature baths constructed at small cost, *539
Paraffinoma, lipoid pneumonia of adult type (paraffinoma of lung); report of 5 cases, *470
Paralysis: See also Poliomyelitis
cortical encephalomalacia in infancy, 885
General: See Dementia paralytica
syndrome produced in rabbits and guinea-pigs by extracts of normal primate bone marrow, 578
Parasites: See under Intestines
Parotitis, histology of experimental mumps in monkey, 578
Paternity: See Blood, groups
Paul-Bunnell Test: See Mononucleosis, infectious
Pellagra due to sunlight, *411
Pemphigus, virus of pemphigus and herpetiform dermatitis, 588
Pepsin, commercial, group-specific A substance in, 896
Peptic Ulcers, pathogenesis of experimental ulcer, 717
Periarteritis nodosa, chronic, 435
Peritoneum, encapsulation of foreign material in peritoneal cavity, 718
pseudomyxomatous epithelial growth, 736
Perla, D.: Rôle of adrenal cortex in production and utilization of vitamin C; its influence on structure of teeth in albino rat, *372
Rôle of vitamin C in resistance, *543, *683
Perry, I. H.: Effect of roentgen rays on blood urea of rats immune to Jensen's sarcoma, *515
Pertussis: See Whooping cough
Phagocytes and Phagocytosis: See also Immunity; Leukocytes; Reticulo-Endothelial System
destruction of tubercle bacilli within phagocytes in vitro, 440
lung tissue culture, 581
Vi antigen of Bacillus typhosus and its corresponding antibody, 132
Phosphoprotein: See Blood, proteins
Photography, infra-red, of gross anatomic specimens, *67
Photosensitization: See under Light
Pigmentation, cutaneous; berlock dermatitis and allied conditions, *414
senile macular, 721
Pituitary Body, change in basophil cells in syndrome attributed to basophil adenoma, 279
effects of adrenalectomy and hypophysectomy on experimental diabetes in cat, 276
homolografting of rat pituitary grown in vitro, 123
is all colloid found in midbrain of hypophysial origin? 280
pars intermedia of hypophysis in anthropoid ape and man, 720
pathologic changes in adrenalectomized dogs, particularly in anterior lobe of hypophysis, 579
rôle of hypophysis in cancer of rat, 288
primary tumors of pituitary glands, ovaries and mammary glands in mouse, 288
tumors; subclinical adenoma of, 289
Pituitary Preparations, antigenic properties of hormones, 731
Plague, antiplague vaccine, 134
Plants, Agave lecheguilla and Nolina texana, *422
Plasmocyte, histogenesis of, 748
Plaut, A.: Botryomycosis in man, 602
Pleura, endothelioma of, 904
so-called pleural endothelioma, 737
Pneumococci, anatomic and bacteriologic findings in infections with specific types of pneumococci, including types I to XXXII, *801
antiserums, action of, 732
inadequacy of allergic inflammation as protection against infection of rabbits with virulent pneumococci, 145
toxin, 730
Pneumoconiosis, dust transport and lymph circulation in lung, 281
early changes in experimental silicosis of lungs, 127
iron pigment in anthracosis, 281
pulmonary asbestosis and carcinoma, 734
silicosis and related conditions (annual Gross lecture), 905
silicosis and tuberculosis, 125
squamous cell carcinoma of lung in asbestosis, 446
Pneumonia: See also Bronchopneumonia
anatomic and bacteriologic findings in infections with specific types of pneumococci, including types I to XXXII, *801
lipoid, of adult type (paraffinoma of lung); report of 5 cases, *470
lipoid, report of case, 608
lobar, mucin as aid in experimental production of, 883
parenteral protein in, 744
pathogenesis of pneumococcus infections in mice, 129
relations between inflammatory processes of lung and reactions of respective lymph glands, 126
Poison Ivy: See Rhus, poisoning
Poisons and Poisoning: See under names of specific substances, as Cobalt; Histamine; Nicotine; etc.
central nervous system in acute metallic poisoning, 291
Polayes, S. H.: Uterine papillary cystadenoma with origin in rests of wolffian body; report of case, 600

Poliomyelitis: See also Encephalomyelitis
experimental intranasal infection with certain neurotropic viruses; prevention by means of chemicals instilled into nostrils, 439
experimental, mechanism of immunity in, 441
experimental, olfactory bulbs in, 589
failure to infect monkeys with virus through isolated intestinal loops, 129
prevention of intravenously inoculated poliomyelitis of monkeys by intranasal instillation of picric acid, 439
protective action of certain chemicals against infection of monkeys with nasally instilled poliomyelitic virus, 890
relationship of weather conditions to poliomyelitis in state of New York, 898
respiratory versus gastro-intestinal infection in, 282
survival of virus in oral and nasal secretions of convalescents, 724
Polyarthritis: See Arthritis
Poppy seeds, encapsulation of foreign material in peritoneal cavity, 718
Porphyrin in Urine: See under Urine
Portal Vein, Obstruction: See Thrombosis, portal
Postmortems: See Autopsies
Precipitin: See also Streptococci, hemolytic
identity of precipitin and agglutinin, 895
serologic comparison of phosphoprotein of serum of laying hen and vitellin of egg yolk, 730
Pregnancy, bilateral cortical necrosis of kidney in, 434
determination of duration by erythrocyte count in capillaries of chorionic villi, 126
Prize, John Phipps memorial medal awarded to Richard E. Shope, 430
of American Association for Advancement of Science to Wendell M. Stanley, 430
offered by Eli Lilly and Company awarded to Harry Eagle, 430
Prostate, effect of avitaminosis A on, 715
topographic relations of prostate in hermaphroditism, 586
Protein: See also Amino-acids; etc.
blood plasma protein regeneration controlled by diet, 123
carbohydrate-containing proteins of hemolytic streptococcus, 440
immunologic and biochemical properties of proteins extracted from fusobacteria, anaerobic streptococci and Bacterium melanogenicum, 741
in Blood: See Blood, proteins
lesions produced by excessive ingestion of protein or irradiated food products, *95
lesions produced by parenteral injections of proteins and nephrotoxins, *245
parenteral, in pneumonias, 744
Prurigo, summer, caused by sunlight, *404
Pseudomyxoma, pseudomyxomatous epithelial growth, 736
Psittacosis, and lesions of central nervous system, 439
antigenic composition of virus of, 731
Puberty: See Adolescence
Pund, E. R.: Specific histology of granuloma inguinale, *224
Purpura, reticulo-endothelium of spleen in essential thrombopenia, 279
Pyelonephritis, inflammatory lesions in glomeruli in pyelonephritis in relation to hypertension and renal insufficiency, 432

Quinoline, production of sarcoma in mice by single subcutaneous injection of benzylamino quinoline styryl compound, 445

Rabbits, etiology of rabbit pox, 282, 437
Rabies, experimental, effect of artificial fever on, 742
Radasch, H. E.: Glomal tumors, *615
Radiations: See also Radium; Roentgen Rays; Ultraviolet Rays; and under names of various diseases
skin grafting as method of determining biologic effect of, *299
time factor in irradiation of malignant tumors, 751, *757
Radium: See also Radiations
experimental poisoning, 577
Ragins, A. B.: Pleomorphic cell sarcoma of gallbladder, 147
Raker, N.: Foreign body of long standing in biliary ducts, 747
Ramon Anatoxin: See Diphtheria, immunity; Tetanus
Recklinghausen's Disease: See Neurofibromatosis
Redish, J.: Hodgkin's disease of stomach with fatal gastric hemorrhage, 140, *844
Reed, Walter Reed medal, 122
Reichel, M.: Values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Reiter, B. R.: Histogenesis of plasmocyte, 748
Reproduction, some effects of ovariectomy during period of declining reproductive powers in mice, 715
Respiratory Tract, diseases; common cold, 590
diseases; uncomplicated coryza of domestic fowl, 437
Reticulo-Endothelial System: See also Phagocytes and Phagocytosis
allergic lesions produced by injection of protein, 907
effect of reticulo-endothelial blockade on vaccination, 592
increase in reticulo-endothelial cells in outlying bone marrow consequent on local increase in temperature, 883
new formation of reticulum fibers, 280
reticulo-endothelium of spleen in essential thrombopenia, 279
rôle in deposition of colloidal and particulate matter in articular cavities, 579
rôle of allergy in pathogenesis of progressive thrombosis especially in regard to changes in endothelial lining of large peripheral veins, *501
Reticulosarcoma and lympho-epithelioma, 138
Reticulum: See Reticulo-Endothelial System; Tissue, connective
Rheumatic Fever, cutaneous rheumatic nodules, 124
excretion of urinary porphyrin in, 886
lesions in auriculoventricular conduction system in, 277
pericardial lesions in, 582
postmortem cultivation of tubercle bacilli in rheumatic heart disease, 893
Rhus, poisoning; hypersensitiveness to poison ivy in guinea-pigs, 897
Ribs, Ewing sarcoma in, 4 cases, 732
Rift Valley fever, mechanism of immunity to, 731
Rigdon, R. H.: Production of colitis in dog with staphylococcus toxin, *634
Robinson, H. B. G.: Ameloblastoma; survey of 379 cases from literature, *831
Histologic study of ameloblastoma, *664
Roentgen Rays: See also Radiations
effect on blood urea of rats immune to Jensen's sarcoma, *515
lesions produced by irradiation, *91
sensitivity of chromosomes to roentgen rays in relation to temperature and *p*H, 745
Therapy: See under names of diseases
Rosenblum, P.: Weltmann serum test, 143
Ruegsegger, J. M.: Anatomic and bacteriologic findings in infections with specific types of pneumococci, including types I to XXXII, *801
Rukstinat, G. J.: Allergic lesions produced by injection of protein, 907

Saccharides: See Carbohydrates
Sala, A. M.: Carcinoma of breast with condition of blood simulating chronic lymphatic leukemia, *531
Saliva, blood group ferment in, 592
group determination on dried blood spots and traces of saliva, 597
Salivary Glands: See also Submaxillary glands
disease of mice, 283
visceral lesions produced in mice by salivary gland virus of mice, 437

Salmonella, acute endocarditis produced by Bacillus paratyphosus B, *270
aertrycke; Bacterium aertrycke endotoxin, 285
pullorum, variation of, 590
Vi antigens of various Salmonella types, 441
Sandberg, M.: Rôle of adrenal cortex in production and utilization of vitamin C; its influence on structure of teeth in albino rat, *372
Sanes, S.: So-called congenital absence of left coronary artery in child, 294
Saphir, O.: Foreign body reaction of myocardium with reference to formation of giant cells and so-called myocytes, 743
Transposition of arterial trunks, 146
Sarcoma: See also Lymphosarcoma; Melanosarcoma; Reticulosarcoma
adsorption and elution of Rous sarcoma agent, 289
blood changes in mice in, 735
connection between erythroblastosis (hemocytoblastosis), myelosis and sarcoma in chickens, 290
Daels-Biltris transplantable sarcoma of guinea-pig, 735
effect of temporary stoppage of blood of rat tumors, 446
Ewing, in ribs, 4 cases, 732
Ewing's, 446
intracutaneous immunization against mouse sarcoma, 137
Jensen's, effect of roentgen rays on blood urea of rats immune to, *515
Kaposi's disease as systemic angiomatosis, 736
leukosis and sarcomatosis of chickens; unity of virus, 137
maintenance of human normal cells and tumor cells in continuous culture, 733
malignant tumors from solar irradiation, 290
morphology of sarcomas produced by 1,2,5,6-dibenzanthracene, 135
of uterus, *525
pleomorphic cell sarcoma of gallbladder, 147
production in mice by single subcutaneous injection of benzylamino quinoline styryl compound, 445
reaction of mice and mouse tumors to injections of bacterial products, 733
recurrent, of uterus, 609
skin in sarcomatosis of mice, 290
spindle cell tumors and leukemia in mice after injection of water-soluble compound of 1,2,5,6-dibenzanthracene, 901
transplantation of tumors induced by 1,2,5,6-dibenzanthracene in albino mice, 901
Scarlet fever, visceral lesions in scarlet fever and related streptococcus infections, 885
Schick Test: See Diphtheria
Schiller, W: Mesonephroma ovarii, 603
Schistosomiasis of lungs, sudden death in case of, 600
Schlezinger, N. S.: Tumor of superior thoracic inlet (tumor of superior pulmonary sulcus); clinicopathologic study, *383
Scleroderma, calcium metabolism in, 607
Sclerosis: See also Arteriosclerosis
connective tissue reaction in multiple and in diffuse sclerosis, *338
multiple, silver cells (Steiner's method) in, 278
Scorbutus: See Scurvy
Scurvy, acute, effect on guinea-pig heart, *20
Seasons, influence in development of tar tumors in mice, 288
Sebaceous Glands, transformation of nevus cells into sebaceous gland cells? 279
Secretions, Internal: See Endocrine Glands
Senility: See Old age
Septicemia, changes in spinal cord and posterior root ganglions in sepsis, 722
Septum, Interauricular: See Heart, abnormalities
Intraventricular: See under Heart
Serodiagnosis: See under names of diseases, as Syphilis; Undulant fever
Serum: See also under Blood
immune, detection of antigenic differences in mouse erythrocytes by means of, 441
Sickness: See Anaphylaxis and Allergy
Sex, Hormones: See Hormones, sex
Shear, M. J.: Studies in carcinogenesis; compounds related to benzopyrene, 746
Sheer, F.: Uterine papillary cystadenoma with origin in rests of wolffian body; report of case, 600
Shigella: See Dysentery
Shock, Anaphylactic: See Anaphylaxis and Allergy
mechanism of death following intestinal obstruction, 579
Shoulder, suprascapular branchial cyst, 889
Shwartzman Phenomenon: See Immunity
Siderosis in cats, 279
Silicosis: See Pneumoconiosis
Silicotuberculosis: See Pneumoconiosis
Simms, H. S.: Fat deposition in arteries treated in vitro with B factor, *332
Production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
Sinus, Valsalva: See Aneurysm, aortic
Skin, Diseases: See also Dermatitis
diseases; local immunization against infections of skin with staphylococci, 592
diseases; photosensitization and photodynamic diseases of man and lower animals, *399
grafting as method of determining biologic effect of radiation, *299
in sarcomatosis of mice, 290
sensitivity of different sites of skin of mouse to carcinogenic agents, 594
Slides, simple mailing container for, *849
Smallpox, vaccination; generalized vaccinia in chick embryo, 282
vaccination; intracerebral injection of vaccine virus in white mice, 727
vaccination; neurotesticular and dermal strains of vaccine virus in chorio-allantoic membrane of chick embryo, 587
vaccination; susceptibility of guinea-pig fetus to vaccinia, 128
vaccine; investigations of vaccine virus, 725
Societies, American Association of Pathologists and Bacteriologists, annual meeting, 275, 576
American Association of Public Health, meeting, 713
American Society of Clinical Pathologists, meeting, 430
Society of American Bacteriologists, new officers, 430

Society Transactions:

American Society for Experimental Pathology, 738
Buffalo Pathological Society, 294
Chicago Pathological Society, 142, 453, 606, 751, 906
Los Angeles Pathological Society, 908
New York Pathological Society, 140, 449, 600
Pathological Society of Eastern New York, 608
Pathological Society of Philadelphia, 292, 747, 905

Specimens, infra-red photography of gross anatomic specimens, *67
museum mountings at minimum cost, *536
preparation of permanent gross colonies of fungi for teaching purposes, *681
Spector, M.: Tuberculosis of appendix, 908
Spermatic cord, tumors of spermatic cord, epididymis and testicular tunics, 136
Spinal Cord: See also Meninges; Nervous System; etc.
changes in spinal cord and posterior root ganglions in sepsis, 722
dermoid cyst of, 454
effect of experimental temporary vascular occlusion on, 881
ganglioglioneuroma of, 144
Spinal Fluid: See Cerebrospinal Fluid
Spine, pathologic comparison of tuberculosis and pyogenic infection of, 454
Spirochaeta Pallida, variations in pathogenicity of spirochete of syphilis, 893

Spleen, edema of, 585
regeneration of autoplastic splenic transplants, 714
reticulo-endothelium of spleen in essential thrombopenia, 279
size of spleen and liver-spleen ratio; statistical study based on 1,000 autopsies, *33
Stains and Staining, comment on Kawamura-Yasaki fat staining method and modification in preparation of stock solution, 139
criticism of laboratory routine in modern institutions of pathology, 749
modification of Ziehl-Neelsen method of staining tubercle bacilli and tissues in paraffin or pyroxylin (celloidin) sections; comparison of this method with Cooper's technic, *265
new method for staining fat, 138
silver cells (Steiner's method) in multiple sclerosis, 278
Staphylococci, artificial opsonization of bacteria, 898
from animals with reference to toxin production, 286
local immunization against infections of skin with staphylococci, 592
production of colitis in dog with staphylococcus toxin, *634
studies in synergy, 895
toxin, and amino-acids, 133
Status Epilepticus: See Epilepsy
Stein, R. J.: Carcinoma of breast with condition of blood simulating chronic lymphatic leukemia, *531
Steinberg, B.: Transfers of living leukocytes, 743
Stewart, H. L.: Changes in liver of cat following ligation of single hepatic ducts, *641
Stillman, N. P.: Fat deposition in arteries treated in vitro with B factor, *332
Production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
Stomach: See also Gastro-Intestinal Tract
Hodgkin's disease of stomach with fatal gastric hemorrhage, 140, *844
mucin as aid in experimental production of lobar pneumonia, 883
Ulcers: See Peptic Ulcers
Stone, L.: Lesions of nervous system of rat in vitamin B deficiency, *207
Streptococci: See also Scarlet fever
anaerobic, rôle in human infections, *230
antistreptolysin titer in relation to latitude, 132
capsules about hemolytic streptococci as visualized with india ink or azo-blue, 598
effect of acute scurvy on guinea-pig heart, *20
effect of dissociation of Streptococci on their fibrinolytic and anticlotting activity, 283
hemolytic, carbohydrate-containing proteins of, 440
hemolytic, from human infections, toxigenic properties, 131
immunologic and biochemical properties of proteins extracted from fusobacteria, anaerobic streptococci and Bacterium melaninogenicum, 741
of subacute bacterial endocarditis, 591
serologic, toxigenic and biochemical reactions of hemolytic streptococci from throat of Hongkong Chinese, 893
visceral lesions in scarlet fever and related streptococcus infections, 885
Strong, L. C.: Blood of female mice (breeders) of cancer-susceptible (A) and cancer-resistant (CBA) strains, *202
Styryl 430: See under Quinoline
Subdural Space: See Meninges
Submaxillary glands, susceptibility of guinea-pig fetus to submaxillary gland virus of guinea-pigs, 128
Sudan grass, photosensitization from, *420
Sulpharsphenamine: See under Arsphenamines
Sunderland, D. A.: Effect of acute scurvy on guinea-pig heart, *20
Sunlight: See Light
Suprarenals: See Adrenals
Sweat, toxic substances in urine and sweat in typhoid fever, 284
Sweat Glands, genesis of syringoma, 444
Sympathoblastoma, intrathoracic, 136
Synovial Fluid, pathology of synovial effusions, 584
Syphilis: See also under names of organs, regions and diseases
congenital, with unusual histologic changes in myocardium, 2 cases, 450
death of 2 syphilitic infants from hemorrhagic encephalitis following treatment with sulpharsphenamine, 431
reinoculation with spirochetes of yaws, 728
serodiagnosis: influence of concentration of serum on complement fixation and precipitation, 286
specific infectiousness of syphilitic ganglions, 130
time of appearance of spirochetes of syphilis in regional lymph nodes, 727
transmission in mice, 439
variations in pathogenicity of spirochete of, 893
Syringoma, genesis of, 444

Taenia: See Tapeworm infestation
Tannenberg, J.: Experimental studies on primary changes during formation of thrombi, *307
Rôle of allergy in pathogenesis of progressive thrombosis especially in regard to changes in endothelial lining of large peripheral veins, *501
Tapeworm infestation, active immunization of albino rats with chemical fractions from cat tapeworm (Taenia taeniaformis) and its larval form (Cysticercus fasciolaris [Crassicollis]), 751
Tar Cancer: See under Cancer
relation between growth rate of tar warts in mice and autografts, 289
Teeth, ameloblastoma; survey of 379 cases from literature, *831
histologic study of ameloblastoma, *664
rôle of adrenal cortex in production and utilization of vitamin C; its influence on structure of teeth in albino rat, *372
Temperature, changes in outlying bone marrow accompanying local increase of temperature within physiologic limits, 882
increase in reticulo-endothelial cells in outlying bone marrow consequent on local increase in temperature, 883
influence on iso-agglutination, 598
sensitivity of chromosomes to roentgen rays in relation to temperature and *pH*, 745
Teratoma, histogenesis of neural tissue in, 594
mediastinal, with secondary squamous cell carcinoma, 608
Testicles, gonadotropic hormone in testicular tumors, 448
preparations; histologic changes in sex organs of spayed rats induced by testosterone and estrone, 716
serologic relations between brain and testicle, 443
studies in histochemistry; vitamin C in testes in relation to anatomic and to functional changes, *363
tumors of spermatic cord, epididymis and testicular tunics, 136
Testosterone: See Testicles, preparations
Tetanus, active immunization against tetanus infection with tetanus toxoid, 897
active immunization of central nervous system against tetanus, 592
immunization against tetanus by means of Ramon's anatoxin, 443
researches on, 728
toxin in digestive tract, 286
toxoid, studies on, 730
Thannhauser, S.: Values of phosphatase in serum and bile of dogs with experimental biliary fistulas and in dogs with complete biliary obstruction, 739
Thompson, L.: Rôle of anaerobic streptococci in human infections, *230

Thorax, intrathoracic sympathoblastoma, 136
tumor of superior thoracic inlet (tumor of superior pulmonary sulcus); clinicopathologic study, *383
Throat, cytoplasmic inclusion bodies in, 590
serologic, toxigenic and biochemical reactions of hemolytic streptococci from throat of Hongkong Chinese, 893
Thrombo-angiitis obliterans, arteriographic study of collateral circulation, 433
Thrombopenia: See Purpura
Thrombophlebitis, primary idiopathic, 578
Thrombosis: See also Embolism
acute coronary, unusual findings in, 449
experimental studies on primary changes during formation of thrombi, *307
genesis of multiple encephalomalacia and of angina pectoris in foam formation, 280
portal; chronic occlusion of portal vein, 720
progressive, rôle of allergy in pathogenesis of, especially in regard to changes in endothelial lining of large peripheral veins, *501
pulmonary; sickle-cell anemia; new cause of cor pulmonale, 277
Thymoma and thymic hyperplasia in myasthenia gravis, 718
Thymus and adrenals in response of organism to injuries and intoxications, 580
extract, influence on certain endocrine organs of rat, 293
thymoma and thymic hyperplasia in myasthenia gravis, 718
Thyroid, epithelial metaplasia of thyroid gland with reference to histogenesis of squamous cell carcinoma of thyroid gland, *821
Tissue: See also Cells
Adipose: See under Fat
collagen and reticulum fibers in necrotic foci, 584
common cold, 590
connective tissue reaction in multiple and in diffuse sclerosis, *338
criticism of laboratory routine in modern institutions of pathology, 749
cultivation for prolonged periods in single flasks, 715
culture, behavior of typhus rickettsiae in, 725
culture, origin of fat and lipoids in, 717
demonstration of gold in animal tissues by method of physical development (germ method of Liesegang), 599
homografting of rat pituitary grown in vitro, 123
hydraulic automatic tissue changer or immersion device, *392
maintenance of human normal cells and tumor cells in continuous culture, 733
modification of Ziehl-Neelsen method of staining tubercle bacilli and tissues in paraffin or pyroxylin (celloidin) sections; comparison of this method with Cooper's technic, *265
Permeability: See Osmosis and Permeability
production of fat granules and of degeneration in cultures of adult tissue by agents from blood plasma, *316
Tobacco, effects of exhaust gases from internal combustion engines and of tobacco smoke on mice, with reference to incidence of tumors of lung, 903
production of cancer in rabbits with tobacco tar, 137
Tocantins, L. M.: Technical methods for study of blood platelets; critical review with bibliography, *850
Tonsils, tuberculosis of, 909
Toxin and Antitoxin, lesions produced by bacteria and bacterial toxins, *103
Trachea, bone formation in lung and trachea, 435
immunologic studies of virus of infectious laryngotracheitis of fowls, with "developing egg technic," 895
Trauma, thymus and adrenals in response of organism to injuries and intoxications, 580
Treponema: See Spirochaeta Pallida
Tribulosis, geeldikkop, *421
Trichinosis, laboratory diagnosis in, 448
nontransmissibility in utero in rat, 742
Trichomonas foetus, antibodies for, 744
Tricuspid Valve, endocardial reaction of mitral and tricuspid valves of infants and children, 436
Trifoliosis (clover disease, etc.), *420
Trypanosomiasis, lesions of central nervous system in, 125
Tryptophan in Blood: See Blood, tryptophan
Tsutsugamushi Disease, typhus group in Malaya, 892
Tubercle Bacilli, acid-fast and alcohol-fast bacilli in urine of patients with rheumatic polyarthritis, 894
colony morphology of, 128
destruction within phagocytes in vitro, 440
dissociation, with reference to avian and human types, 890
in Blood: See Tuberculosis, bacteremia
modification of Ziehl-Neelsen method of staining tubercle bacilli and tissues in paraffin or pyroxylin (celloidin) sections; comparison of this method with Cooper's technic, *265
Tuberculin: See under Tuberculosis
Tuberculosis: See also Tubercle Bacilli; and under names of various organs and regions, as Appendix, tuberculosis; Kidneys, tuberculosis; Meningitis, tuberculous; Spine; Tonsils, tuberculosis
allergy in; nonspecific allergy, 731
and silicosis, 125
bacteremia; tuberculous bacillemia, 723
chronic deficiency of vitamin C in tuberculosis in guinea-pig, 889
cultivation of tubercle bacilli from blood, 588
effect of heterologous bacterial products on tuberculous animals, 284
fixed antigens of tubercle bacillus, 133
irradiated milk in experimental inhalation tuberculosis in guinea-pigs, 890
pathogenesis of tuberculosis as general and systemic infection with reference to pulmonary tuberculosis, 451
postmortem cultivation of tubercle bacilli in rheumatic heart disease, 893
rôle of anoxia of tissues in reaction to tuberculin, 740
serologic specificity of tuberculous caseous matter, 443
tuberculous liquefaction, 442
variability of tuberculin reaction, 908
Tularemia, report of 3 fatal cases with autopsies, 278
Tumors: See also Adenocarcinoma; Adenoma; Arrhenoblastoma; Cancer; Epithelioma; Fibroma; Glioma; Melanoma; Sarcoma; Teratoma; and under names of organs and regions, as Brain, tumors; Breast, tumors; Kidneys, tumors; Lungs, tumors; Viscera, tumors; etc.
chemical reducing capacity and vitamin C content of transplantable tumors of rat and guinea-pig, 735
dermoid; dermoid cyst of spinal cord, 454
giant cell, genesis of, 902
glomal, *615
growth curves of malignant and normal tissues of rat, 734
in tadpole, 292
isolation of pure strains of cells from human tumors, 287
malignant, production in albino rats by ultraviolet rays, 901
mixed, of palate, 136
mixed, of salivary gland type involving finger, 447
morphology of fats in, 447
time factor in irradiation of malignant tumors, 751, *757
tumor antigens, 597
Typhoid, bacilli, immunologic study of polysaccharide of, 441
significance of Vi antigen and antibody in, 899
toxic substances in urine and sweat in typhoid fever, 284

Typhus, 130
and Proteus OX19 agglutinins, 442
attenuation of virus by bile, 894
behavior of typhus rickettsiae in tissue cultures, 725
culture strains of European and murine typhus, 437
in Malaya, 892
remarkable frequency of Proteus X19 during epidemic, 440
Vi antigen of Bacillus typhosus and its corresponding antibody, 132

Udders, inflammation; streptococci from human gastro-intestinal ulcerations and from bovine mastitis, 438
Ulcers: See Peptic Ulcers
Ultraviolet Rays: See also Light; Radiations
production of malignant tumors in albino rats by, 901
recovery of influenza virus suspended in air and its destruction by ultraviolet radiation, 587
Undulant fever, serodiagnosis of, 593
Ungar, J., Jr.: Skin grafting as method of determining biologic effect of radiation, *299
Urea in Blood: See Blood, urea
Urine, adrenal cortex, 882
bilirubin content of blood and urobilinogen content of urine in diabetes mellitus, 720
porphyrin, excretion in rheumatic fever, 886
porphyrin; hydroa vacciniforme seu aestivale with porphyrinuria, caused by sunlight, *404
toxic substances in urine and sweat in typhoid fever, 284
Urobilinogen: See under Urine
Uterus: See also Endometrium
chorio-epithelioma of, 5 cases, 453
effect of hysterectomy on ovary of Macacus rhesus, 276
Masculinus: See Müller's Duct
metaplasia of uterine epithelium in rats after administration of estrin, 577
prolonged application of follicular hormone on rabbit uterus, 714
recurrent sarcoma of, 609
sarcoma of, *525
uterine papillary cystadenoma with origin in rests of wolffian body; report of case, 600
Utricle, Prostatic: See Müller's Duct

Vaccination, Encephalitis Following: See Encephalitis
Vaccinia: See Smallpox, vaccination
Valentine, E. H.: Sternal marrow in pernicious anemia; correlation of observations at biopsy with blood picture and effects of specific treatment in megaloblastic ("liver-deficient") hyperplasia, *159
Vance, B. M.: Sudden death in case of schistosomiasis of lungs, 600
Variola: See Smallpox
Veins: See also Embolism; Thrombophlebitis; Thrombosis
hepatic, sclerosis in chronic congestive heart failure, *457
rôle of allergy in pathogenesis of progressive thrombosis especially in regard to changes in endothelial lining of large peripheral veins, *501
Verruca, relation between growth rate of tar warts in mice and autografts, 289
senile macular pigmentation, 721
Vertebra: See Spine
Viosterol, lesions produced by excessive ingestion of protein or irradiated food products, *95
Virilism, Morgagni's syndrome—internal frontal hyperostosis, virilism and obesity, 723
Viruses: See also Herpes, virus; Influenza, virus
change in rabbit fibroma virus suggesting mutation, 128
common cold, 590
effect of purified enzymes on viruses and gram-negative bacteria, 724
Viruses—Continued
epidemic in mouse colony due to virus of acute lymphocytic choriomeningitis, 590
etiology of rabbit pox, 282, 437
immunologic studies of virus of infectious laryngotracheitis of fowls, with "developing egg technic," 895
leukosis and sarcomatosis of chickens; unity of virus, 137
mass factor in immunologic studies on, 896
of infectious ectromelia, 594
propagation of virus of infectious ectromelia of mice in developing egg, 726
susceptibility of guinea-pig fetus to submaxillary gland of virus of guinea-pigs, 128
virus disease of owls, 587
visceral lesions produced in mice by salivary gland virus of mice, 437
Viscera, lesions in scarlet fever and related streptococcus infections, 885
lesions produced in mice by salivary gland virus of mice, 437
tumors, experimental production with hydrocarbons, 593
Vitamins, A; effect of avitaminosis A on prostate, 715
B, deficiency, lesions of nervous system of rat in, *207
C, chemical reducing capacity and vitamin C content of transplantable tumors of rat and guinea-pig, 735
C, chronic deficiency in tuberculosis in guinea-pig, 889
C, rôle in resistance, *543, *683
C, rôle of adrenal cortex in production and utilization of; its influence on structure of teeth in albino rat, *372
C, studies in histochemistry; vitamin C in testes in relation to anatomic and to functional changes, *363
Vitellin: See under Eggs

Wald, H.: Weight of normal adult human kidneys and its variability, *493
Wallhauser, A.: Preparation of permanent gross colonies of fungi for teaching purposes, *681
Walsh, T. E.: Experimental pulmonary edema and bronchopneumonia, 744
Warren, S.: Skin grafting as method of determining biologic effect of radiation, *299
Warts: See Verruca
Water, adrenal cortex, 882
Weather, relationship of weather conditions to poliomyelitis in state of New York, 898
Weiss, C.: Immunologic and biochemical properties of proteins extracted from fusobacteria, anaerobic streptococci and Bacterium melaninogenicum, 741
Weitzman, C. C.: Uterine papillary cystadenoma with origin in rests of wolffian body; report of case, 600
Wells, H. G.: Acute endocarditis produced by Bacillus paratyphosus B, *270
Weltmann Reaction: See Blood, coagulation
Whooping cough, experimental production in chimpanzees, 589
Witebsky, E.: Serologic demonstration of causative agent in spinal fluid in cases of meningitis, 295
Wolffian Body, uterine papillary cystadenoma with origin in rests of wolffian body; report of case, 600
Wollenweber, H. L.: Simple mailing container for slides, *849
Wright, A. W.: Monocytic leukemia; report of case, 609
Wright, R. B.: Aneurysm of sinus of Valsalva with rupture into right auricle, *679

Xanthoma, lipoid cell granuloma of fallopian tubes after uterosalpingography, 888
Xeroderma pigmentosum and skin cancer due to sunlight, *409

Yaws: See Frambesia

Zeitlin, H.: Actinomycotic abscess of brain, *58
Ganglioglioneuroma of spinal cord, 144